

As a result of the study of a large number of specimens, especially a series from the La Plata received from the Berlin Museum, I have reached the conclusion that *J. maculata* and *J. eigenmanni* are merely varieties of *J. lineata*, and that the species is extremely variable in the pattern of its markings.

In typical *lineata* there are narrow longitudinal stripes along the series of scales; in some specimens these may be to a greater or less extent broken up into spots (fig. *a*). Numerous examples approximating to the typical form in the collection of the Natural History Museum are from the Rio Grande do Sul, the La Plata, Naposta Grande, and Tala, Salta, Argentina. In the variety *maculata* (fig. *b*) the spots are larger and fewer, but there is no sharp line of demarcation from *lineata*.

A series of examples from the La Plata, received from the Berlin Museum, includes some typical *maculata* and others with the spots still larger and fewer; some of these have the spots mostly rounded or ovate, in some they are expanded longitudinally and in others vertically. Two of the extreme forms are figured: one (fig. *c*) bears a close resemblance to Haseman's *J. eigenmanni*; the other (fig. *d*) leads towards the barred variety figured below it (fig. *e*), one of three nearly similar specimens from Caiza, Bolivian Chaco (*Coll. Borelli*).

XXIV.—*New Species of Heterocera from Costa Rica.*—XX.
By W. SCHAUS, F.Z.S.

Thyrididæ.

Macrogonia major, sp. n.

♀. Palpi purple-brown, the second joint shaded below with grey and fuscous. Head, collar, and thorax yellow-roseate. Fore wings yellowish, thickly reticulated with roseate; costa with numerous dark spots to near middle, then with widely separated black streaks along extreme edge; a fine black line from middle of inner margin to near apex; a faint brownish basal line; a similar sinuous antemedial line; an indistinct annular line at end of cell; some marginal black reticulations. Hind wings deep roseate; a black medial line; a fainter postmedial line; some terminal fine dark reticulations; cilia on both wings dark red, tipped

with black and whitish. Wings below brownish buff, the lines very indistinct; a large black spot with white point at end of cell on fore wings; cilia lilacine rose mottled with black.

Expanse 32 mm.

Hab. Sixola, Esperanza.

Betousa stellata, sp. n.

♀. Body above greyish brown; abdomen irrorated with grey, dorsally shaded with black; abdomen below with a ventral black shade, divided by a brownish-grey line. Wings brown tinged with grey, streaked and spotted with greyish white. Fore wings: basal third with streaks broken into spots by veins, mottled and edged with darker brown; medial, postmedial, and subterminal spots edged with darker brown, and containing dark points, with diverging lines cutting each spot into five or six divisions; these spots all become smaller and less distinct towards costa; the postmedial spots are incurved below cell and almost suffuse with medial spots; the subterminal spots are partly followed by some very small spots; small marginal spots less distinctly subdivided. Hind wings: the spots are smaller, whiter on inner margin, and only the postmedial and subterminal show dark centres. Wings below greyer, with the spots similar but less distinct.

Expanse 41 mm.

Hab. Sixola.

The wings are broad, the outer margins rounded.

Rhodoneura changuinola, sp. n.

♂. Palpi and frons brown. Vertex and thorax dark grey. Abdomen pale brown. Fore wings pale brown, the hind wings greyish brown, the lines and striæ fuscous brown. Fore wings: large medial, postmedial, and a smaller subterminal white shade on costa; inner margin faintly shaded with grey; basal line slightly outcurved; antemedial more outcurved, sinuous on inner margin; medial oblique, outcurved above submedian; postmedial from white costal shade obliquely outcurved to inner margin near tornus; a subterminal heavier line from costa to termen at vein 4; some irregular striæ except on basal third. Hind wings: a straight basal line; antemedial somewhat angled; a faint medial line and small dark spot on discocellular; postmedial and subterminal lines distinct, and a fainter line between them; some marginal striæ. Wings below paler, the lines as above.

Fore wings: cell fulvous to antemedial line; a similar shade along subcostal and vein 8 to apex, interrupted medially; velvety black streaks irrorated with metallic scales antemedially below subcostal and on median, below subcostal between medial and postmedial lines, and also beyond the latter; the antemedial line expands in cell and below it, and is blacker, irrorated with yellow hairs.

Expanse 16 mm.

Hab. Sixola.

Rhodoneura semierma, sp. n.

♀. Palpi buff. Frons brown. Vertex, collar, and thorax dark olive, the patagia paler. Abdomen above pale olive; a black dorsal spot at base; second segment crossed by a velvety olive-brown shade, expanding laterally; abdomen below roseate brown. Wings buff, tinged with brown. Fore wings: costa and cell anteriorly mottled with grey and dark olive, also some black shading along costal edge; an antemedial inangled fuscous line in cell, irrorated with opalescent scales; irregular, transverse, fine brownish lines on basal third; a large black shade at end of cell, narrowest between veins 6 and 9, and suffusing below 6 with a dark brown postmedial streak from costa; a brownish shade below vein 3 narrows to a point on inner margin; the postmedial streak on costa is shaded on either side with grey and indistinctly with silvery white, beyond which is a longitudinal black and reddish-brown streak above vein 8; a subterminal line from veins 8 to 5 is replaced below it by geminate striæ; termen shaded with grey, brown from costa to vein 3, indentate on veins; from vein 4 to inner margin a brown shade follows close to termen. Hind wings: some faint brownish shadings and spots, also scattered black irrorations, more thickly antemedially, forming broken lines; a larger medial and postmedial black spot near inner margin. Underneath brighter, the shadings suffused with fuscous.

Expanse 44 mm.

Hab. Sixola.

Wings narrow; outer margin of fore wings oblique, of hind wings incurved below apex.

Rhodoneura umbrata, sp. n.

♀. Palpi reddish brown. Head, collar, and thorax dark brown, the patagia shaded with grey anteriorly. Abdomen fuscous, the last segments with dark brown lines. Legs buff, the tibiæ shaded with reddish brown. Fore wings fuscous,

the costa faintly mottled with brown; a whitish-buff shade below cell to submedian and termen, thickly mottled with fuscous to beyond middle, then less so; a similar broad shade on outer margin from vein 4 to above vein 6, crossed by indistinct fuscous lines. Hind wings: costal margin broadly fuscous, edged behind by a lunular white line; posterior portion lilacine, with faint brownish spots. Fore wings below fuscous, the costa and apex buff-brown, and some similar irregular subterminal markings. Hind wings below: costa brownish, with black striæ; cell and beyond to apex fuscous grey, shading behind to black; the lunular white line suffusing with white ground-colour of posterior portion of wing; the spots distinct, bright brown. Wings narrow; outer margin of fore wing oblique, of hind wing crenulate, incurved below apex and excised below vein 3.

Expanse 33 mm.

Hab. Sixola.

Pyralidæ.

Subfam. *CRAMBINÆ*.

Chilo marcella, sp. n.

♀. Palpi, head, collar, thorax, and fore wings ochreous brown, the wings finely irrorated with fuscous grey; abdomen above and hind wings fuscous grey. Fore wings: a dark point at end of cell; a postmedial outcurved series of smoky spots on interspaces; a faint subterminal, lunular, dentate line, broken by veins; minute fuscous-grey terminal spots on interspaces; cilia of both wings tipped with whitish. Wings below fuscous grey, the margins pale buff, widest on termen and apex of fore wing.

Expanse 61 mm.

Hab. Sixola, Esperanza, La Florida.

Some specimens are browner, others paler than type.

Daratoperas vinasella, sp. n.

♂. Palpi fuscous, fringed above with whitish buff. Head, collar, and thorax whitish buff. Abdomen above fuscous brown, terminal segment whitish buff. Fore wings pale buff; some scattered black scales; a small black spot at end of cell; a smoky shade along median and veins 3 to 5 to termen; a fine smoky postmedial line, deeply outcurved beyond cell and inbent to middle of inner margin, slightly inangled below vein 2; a similar subterminal line, straighter and dentate from costa to vein 5; terminal black spots on

interspaces; cilia whitish. Hind wings fuscous brown; costal margin and cilia whitish; an interrupted terminal dark line. Wings below whitish; fuscous spots on discocellular; terminal black points; a fine and indistinct subterminal line.

♀. Fore wings paler, browner, discal point and post-medial line barely visible; terminal black spots smaller. Hind wings paler. Underneath buff-white, with no markings except a few terminal black points.

Expanse, ♂ 45, ♀ 65 mm.

Hab. Juan Vinas, San José.

Erupa evanidella, sp. n.

♂. Body and fore wings whitish buff; abdomen with faint yellowish transverse shades. Fore wings: a fine, lunular, greyish-brown postmedial line, outcurved beyond cell, the lunules incurved, and all very faint, except the lunule above submedian, which is coarse and heavily marked; a subterminal similar line, but the lunules outcurved; minute terminal grey spots. Hind wings whiter; a faint sub-terminal greyish spot below vein 2 and one above vein 5. Wings below without markings.

Expanse 35 mm.

Hab. Sixola.

Erupa discordella, sp. n.

♂. Palpi, head, and body dull reddish brown; lateral orange tufts at base of abdomen. Fore wings bright brown; incurved dark brown lunule in cell; postmedial line fine, whitish, heavily shaded outwardly with dark brown, from vein 8 across end of cell to middle of inner margin; a straight, postmedial, fine whitish line from costa, inwardly edged with small triangular dark brown spots on veins and outwardly narrowly shaded with dark brown; a terminal reddish-brown line. Hind wings dull dark brown, the veins terminally yellowish. Wings below greenish yellow; a post-medial macular black line; an oblique streak on discocellular of fore wing; a dark brown spot on discocellular of hind wing.

Expanse 37 mm.

Hab. Carillo.

Near *E. congruella*, Wlk., but the postmedial line not so oblique as in Walker's species.

Erupa invidella, sp. n.

♂. Palpi, head, collar, and thorax brown. Abdomen pale buff, with a few darker irrorations. Fore wings whitish, thickly irrorated with brown; a faint subbasal darker shade; an inangled white line in cell medially; an oblique white line on discocellular, interrupted and continuing to inner margin before middle, outwardly shaded with darker brown; a thick subterminal white line, edged with darker brown and not quite straight; a terminal darker line. Hind wings thinly scaled, brownish yellow. Wings below thinly scaled brownish yellow; some terminal dark spots. Fore wings: the subterminal line faintly indicated by darker shadings. Hind wings: a faint discal point; a postmedial finely lunular dark line; a faint subterminal shade.

Expanse 25 mm.

Hab. Sixola, Carillo, Juan Vinas.

Erupa pravella, sp. n.

♀. Palpi, head, and collar dark reddish brown. Thorax dark purple-brown, the patagia tipped with white. Abdomen above brown, partly shaded dorsally with purplish brown. Fore wings purplish brown, opalescent; a medial wavy black line, somewhat curved on costa and preceded by some lilacine scales; a brown-black outer coarse line, surmounted by a white spot on costa and with its outer edge somewhat dentate; an interrupted terminal white line, thickest at apex. Hind wings brown, darker beyond a vague postmedial fuscous shade. The outer margins of wings are slightly incurved below apices, then well rounded. Wings below brown, shaded with fuscous to near termen; an outer darker shade.

Expanse 35 mm.

Hab. Sitio.

Near *Erupa ruptilineella*, Hmpsn.

Platytes thy nella, sp. n.

♀. Palpi outwardly light brown, inwardly pale buff. Head white, with a medial light brown line. Collar light brown, dorsally whitish. Thorax and abdomen light brown. Fore wings whitish buff; light brown streaks on costa, in and below cell, and on interspaces; a whitish line above submedian from base to just beyond middle, marked by a brown point medially; a black point at end of cell; faintly darker shades on intervenal streaks forming a postmedial

shade angled beyond cell, obsolete below vein 3, and with similar shading from its angle to termen below apex; black terminal points. Hind wings white.

Expanse 25 mm.

Hab. Juan Vinas.

Platytes rutubella, sp. n.

♀. Palpi outwardly buff-brown. Head and collar dorsally whitish; collar outwardly and patagia buff-brown. Abdomen brownish grey. Fore wings dull yellow, streaked with buff-brown on costa, in cell, below it, and on interspaces; a black point at end of cell; a whitish streak on subcostal, in cell, and below cell, the latter not reaching termen and irrorated beyond middle with fuscous purple; a purplish shade from vein 3 at cell to termen below apex; traces of a faint brownish postmedial shade outangled beyond cell and inbent to inner margin before middle; terminal black points. Hind wings white.

Expanse 31 mm.

Hab. Juan Vinas.

DIATRÆRUPA, gen. nov.

Fore wings differ from *Diatræa* in having veins 8, 9, 10 stalked and veins 4 and 5 very shortly stalked; vein 11 anastomoses with 12 as in *Diatræa*. Hind wings: veins 4 and 5 stalked; 8 anastomosing with 7 to near end.

Type of genus, *Diatrærupa guapilella*, Schs.

Diatrærupa guapilella, sp. n.

♀. Palpi, collar, and thorax light greyish brown. Head and abdomen whitish buff, the latter with orange-brown on second and third segments dorsally. Fore wings: the base broadly shaded with dull brownish grey; cell and a postmedial shade brown; terminal third with brown streaks on interspaces, suffusing at apex, terminally between veins 3 and 4, and at tornus; terminal black points; a few black scales scattered in cell and along inner margin. Hind wings white, very faintly tinged with yellow.

Expanse 23 mm.

Hab. Guapiles.

Crambus albifrons, sp. n.

♂. Palpi outwardly dull grey. Frons whitish. Collar whitish, outwardly shaded with grey. Thorax and abdomen

brownish grey. Fore wings: costal margin brown, with a silvery-white streak from base to middle of wing; a silvery-white streak from base of cell to termen; space below cell and vein 5 pale brown, becoming whitish on inner margin and termen; a fine fuscous-brown streak below cell from base to postmedial space and similar short streaks between veins 2 to 4; terminal black spots, obsolescent towards apex; cilia silvery white. Hind wings silvery white.

Expanse 23 mm.

Hab. Poas.

Crambus pavidellus, sp. n.

♀. Palpi dark brown, mottled above with dull lilacine. Head dull lilacine brown. Body dark greyish brown. Fore wings: basal half of costa and cell anteriorly brown; below it a white streak from base expanding at end of cell; a fine black line along median to vein 2; inner margin broadly greyish white, suffused with brown basally below cell; a deeply outcurved dark antemedial line below submedian; a postmedial dark brown line, outangled beyond cell, preceded from costa to vein 5 by a fine whitish shade, black from angle to black line on median, inangled below middle of cell, outangled on inner margin, parallel with antemedial line; space beyond this line greyish white on interspaces, the veins dark grey or brown to fuscous shading preceding subterminal line, this shading narrow on inner margin; subterminal fine, whitish, outcurved on costa, inbent on inner margin, followed by a brown line and some whitish spots on interspaces; termen brown, with black spots not reaching apex; a subapical greyish-white line; cilia dark silvery grey. Hind wings fuscous grey, darkest on termen; the base, a streak through cell, and broad shade near inner margin whitish.

Expanse 16 mm.

Hab. Poas.

Crambus retusellus, sp. n.

♂. Palpi, head, and thorax grey-white, the collar faintly tinged with brown. Abdomen pale grey, with darker segmental shades. Fore wings white; costal margin broadly brown to beyond middle; inner margin faintly tinged with brown, and with scattered dark irrorations; a postmedial brown line outangled at vein 5, then obsolescent and only marked on middle of inner margin; subterminal line geminate, thick on costa and oblique, then vertical, the inner line irregular, expanding at vein 5 and preceded by a fine black

streak on submedian fold, the outer line fine ; terminal black points, connected by a fine brownish line. Hind wings white tinged with grey.

Expanse 12 mm.

Hab. Juan Vinas.

Near *Crambus atristrigellus*, Hmps.

Crambus meretricella, sp. n.

♀. Palpi bone-colour, ringed with black at base of joints. Head and thorax mottled grey and black. Abdomen brownish grey. Fore wings bone-colour, obscured, except on postmedial space, by grey shadings along costa and in cell, and below cell by grey and black mottlings ; there is a clear line medially from cell to inner margin, the postmedial space expands inwardly on inner margin and almost reaches it ; the terminal space is greyish, crossed by a subterminal bone-colour shade from vein 6 to inner margin ; the terminal fuscous spots are triangular ; cilia dark silvery grey, with a paler line at base. Hind wings grey ; cilia grey, broadly tipped with silvery white, and with a pale basal line.

Expanse 12 mm.

Hab. Juan Vinas.

Culladia psythiella, sp. n.

♂. Palpi dark greyish brown fringed above with white. Head, collar, and thorax white, the patagia shaded with brown. Fore wings velvety white ; costa shaded with grey-brown ; a fine postmedial brown line angled at end of cell, marked by a dark point below vein 2 and on inner margin ; a subterminal geminate brown line, outcurved to vein 5, the inner of the two lines more heavily marked ; an orange-brown coarse line before apex, and similar marginal spots above and below vein 5 ; a terminal line, black at apex, and with black points below veins 2, 3, and 4. Hind wings grey, the cilia whitish.

Expanse 14 mm.

Hab. Juan Vinas.

Subfam. *SCENOBIINÆ*.

Cacographis undulalis, sp. n.

♂. Palpi orange-brown, fringed below at base with white. Head reddish brown. Collar yellow, shaded with orange-brown in front. Thorax and abdomen yellow above, underneath silvery white. Wings yellow shaded with orange-

brown, the lines brown-black. Fore wings incurved below apex, then outcurved; base of costa finely black; a basal and an antemedial line, the latter slightly inbent below cell; a hyaline spot at end of cell, edged, except along median, with fuscous brown, more broadly outwardly and with two white spots; postmedial line fine, sinuous, outcurved beyond cell; a fine terminal brown line. Hind wings: a large hyaline spot at end of cell, also dark edged and followed by fuscous irrorations, and a small white spot at lower angle of cell; postmedial line sinuous; outer margin more darkly irrorated; apex produced, termen incurved below it; a fine terminal line. Wings below bone-white; the postmedial line punctiform, with a large spot above submedian on fore wing, and more distinct spots on costa and between veins 5 and 6.

Expanse 38 mm.

Hab. Juan Vinas.

LOXMAIONIA, gen. nov.

Palpi porrect, short, thickly scaled; antennæ with short ciliated pectinations, diminishing and not reaching tips; legs hairy; abdomen robust. Fore wings long, rather narrow; vein 2 before end of cell; 3, 4, 5 approximated at their base; 6 from upper angle of cell; 7 from cell approximated to 8 for a fourth of its length; 8 and 9 on long stalk; 10 and 11 from cell. Hind wings: vein 2 from before lower angle of cell; 3, 4, 5 from lower angle; 6 and 7 on short stalk; 8 approximating 7 for a short distance beyond its stalk with 6.

Type of genus, *Loxmaionia megale*, Schs.

Loxmaionia megale, sp. n.

♂. Palpi white, shaded with brownish grey at base. Frons white with two greyish spots; vertex and collar yellowish white, the latter with a transverse greyish shade; thorax mottled dark grey and whitish, yellowish white behind; abdomen dark greyish brown, with dorsal and subdorsal interrupted whitish lines, and segmental yellowish-white lines on two basal segments. Fore wings dark greyish brown; interrupted basal and antemedial whitish lines; a small white spot in cell medially, and a similar short streak below cell; an oblique whitish line on discocellular, and interrupted line below it to inner margin; interspaces from veins 2-5 and 6-7 thinly scaled postmedially showing a whitish ground-colour, also the terminal spaces between

veins 2 and 4 ; traces of a subterminal irregular whitish line ; the spots and lines faintly edged with fuscous brown ; cilia white spotted with grey-brown. Hind wings semihyaline white ; a fuscous-grey shade on inner margin ; costal margin and terminal shadings from vein 5 to apex fuscous grey, also a faint postmedial line near costa, and an interrupted terminal line ; cilia as on fore wing.

Expanse 49 mm.

Hab. Juan Vinas, Sixola.

Hositea bicincta, sp. n.

♀. Labial and maxillary palpi white, shaded with black-brown at base. Head and thorax white ; collar medially black-brown, outwardly white. Abdomen whitish, the third and fifth segments with broad black-brown bands, the other segments with very pale brownish shadings and a few dark irrorations. Fore wings white ; a black point at base below cell, followed by a large black spot and one on costa ; a fine outcurved yellow-brown line marked by a few darker scales below cell ; a thick oblique black streak on discocellular, and smaller inbent spots below it from vein 3 to inner margin ; a postmedial, broad, very pale brown shade, follows a fine macular black line from veins 7 to 3 obliquely outcurved, the last spot outset ; an oblique, dentate, light reddish-brown shade from vein 6 to termen at vein 4 ; a terminal black line thick at apex, diminishing to vein 4, below vein 4 terminal black points. Hind wings white, somewhat hyaline to postmedial line ; a black spot near base ; a small medial spot at vein 7 ; a large round spot at end of cell, brown, crossed by a whitish shade and partly edged with black ; postmedial line black, inbent to discal spot at vein 3, and sinuous to inner margin, followed at veins 3 to 2 by a brown shade, and from vein 2 to inner margin by a black shade ; outer margin broadly shaded with pale brown from costa to vein 3 ; a fine interrupted brown terminal line, and a triangular spot between veins 2 and 3.

Expanse 28 mm.

Hab. Sixola.

Patissa parvipunctella, sp. n.

♀. Palpi brown. Head, body, and wings white. Fore wings : costa from base to near middle fuscous brown ; spots fuscous brown ; a large spot at end of cell ; a small spot on subcostal before middle, and a large spot above inner margin ; a small spot on costa near apex and one at tornus.

Hind wings : a spot below cell and one at anal angle. Wings below without markings.

Expanse 13 mm.

Hab. Sixola.

Subfam. *PHYCITINÆ*.

Acrobasis jocarella, sp. n.

♀. Palpi, head, collar, and thorax pale olive-buff, the patagia purplish. Abdomen dorsally whitish buff, subdorsally dark purplish brown. Fore wings : margins dull pale olive with a few dark irrorations ; cell mottled dull olive and reddish brown ; a broad reddish-brown shade below cell ; a medial black line on costa, two points on median, and traces of a dark geminate line from below cell ; two black points on discocellular ; a postmedial fuscous line, sinuous, outangled between veins 4 and 5 ; a subterminal brownish shade not reaching costa, crossed by white streaks and black points on veins from 6 to submedian ; a subterminal fuscous shade on costa ; terminal black spots. Hind wings purplish brown ; cilia grey-white, crossed by a darker shade at base.

Expanse 26 mm.

Hab. Avangarez.

Myelois fearnella, sp. n.

♂. Palpi brown mottled with grey. Head and thorax dark grey. Abdomen brownish, with pale segmental lines. Fore wings : costa dark grey, somewhat paler at base ; inner margin grey irrorated with pale reddish brown ; termen narrowly paler grey ; cell, below it, and intervenal spaces pale reddish brown, somewhat mottled with grey ; a fine black streak below subcostal ; median finely black ; submedian irrorated with black ; veins 2-6 black, interrupted by a grey subterminal shade slightly outcurved ; two black spots on discocellular, some postmedial greyish clusters of scales on veins also interrupting black streaks ; terminal black spots on interspaces. Hind wings semihyaline, dirty white, faintly iridescent ; veins and narrow terminal shade dark.

Expanse 23 mm.

Hab. Avangarez.

Myelois dorsimacula, sp. n.

♀. Palpi, head, and collar brown ; thorax similar irrorated with dark brown. Abdomen pale brownish at

base, otherwise duller brown, with transverse fuscous shadings; a large dorsal, dark red-brown, velvety spot on second segment and a smaller paler spot on first. Fore wings brown, darker shaded on inner and outer margins; a faint outbent fuscous basal line; traces of a geminate line on inner margin and a small spot below cell; a cluster of dark velvety scales on discocellular, and a few similar scales below vein 2; a very faint paler outer line, vertical to vein 5, slightly outcurved to vein 2, then inset and again outcurved; terminal fuscous spots. Hind wings semihyaline lilacine, darker shaded on terminal space.

Expanse 40 mm.

Hab. Sixola.

Hypsipyla fluviatella, sp. n.

♂. Palpi whitish at base, otherwise brown, the second and third joints terminally whitish buff. Head whitish buff. Tegulae mottled reddish and grey-brown, dorsally edged with whitish buff. Patagia reddish brown. Abdomen buff-brown. Fore wings reddish brown, the base broadly darker shaded; the medial line reddish brown, outbent on costa, then vertical, forming three lunules, defined by pale narrow buff shadings inwardly, also preceded on inner margin by some greyish-white scaling, and followed by paler buff shading beyond cell to apex, interrupted on costa terminally by a broad dark streak, and on vein 6 by a fine dark streak; the inner margin whitish at tornus; terminal whitish spots on veins 2-4, extending on cilia. Hind wings semihyaline white, slightly iridescent; a dark brown line on costa.

Expanse 45 mm.

Hab. Sixola.

Piesmopoda angulineella, sp. n.

♀. Palpi outwardly brown. Head, collar, and thorax pale olive-ochre. Abdomen dark purple-brown, with broad pale segmental line, and dorsal line on basal half. Fore wings: costal margin and cell medially whitish, otherwise pale olive-ochre; base of costa reddish, and similar irrorations on extreme edge, in cell along subcostal, and vein 8 to apex; some dull brown irrorations below cell and postmedially; antemedial line fine, dark greyish brown, outbent, angled below cell, inangled on submedian, outbent on inner margin; a whitish spot on discocellular; subterminal line straight, whitish buff, edged with dark greyish brown; some terminal

black scales, barely traceable. Hind wings semihyaline smoky grey; cilia whitish with a dark shade near base.

Expanse 21 mm.

Hab. Juan Vinas.

Piesmopoda burdettella, sp. n.

♂. Palpi brown, shaded with white below on basal half. Head, collar, and thorax ochreous brown. Abdomen dark brown, with paler segmental lines; white dorsal points edged with black on two basal segments. Fore wings: costal space above median white, thinly irrorated with reddish brown, and with a similar small antemedial spot and long medial streak on extreme edge; below cell to inner margin lilacine brown shaded with ochreous and red; some black scales on submedian antemedially, followed by a whitish streak interrupted by a black medial point; a black medial point on median; two distinct black points on discocellular; a sinuous subterminal white line broadly edged inwardly with fuscous brown, outwardly with reddish brown; whitish irrorations on outer margin, chiefly towards apex; a terminal black line not reaching apex; cilia lilacine brown, divided by a dark grey shade. Hind wings semihyaline brownish white, darker on termen; cilia grey, with a paler line at base.

Expanse 20 mm.

Hab. Poas, Juan Vinas.

Piesmopoda montella, sp. n.

♀. Palpi brown, the third joint irrorated below with black. Frons brown. Vertex, collar, and thorax ochreous brown. Abdomen fuscous brown with triangular ochreous shades, reduced to lines on three terminal segments. Fore wings ochreous brown; costal margin to subterminal line broadly white irrorated with reddish brown, its extreme edge brown with commencement of an antemedial line; two small reddish spots on discocellular; subterminal inbent on costa, then slightly outcurved pale reddish brown, edged on either side with black from costa to vein 2; some terminal black points; cilia ochreous brown divided by whitish irrorations. Hind wings semihyaline brownish white, darkest terminally; cilia pale with a dark shade near base.

Expanse 24 mm.

Hab. Poas.

Piesmopoda nerthella, sp. n.

♀. Palpi white, finely irrorated and tipped with light

brown. Head brown. Collar and thorax grey-black. Abdomen fuscous grey with pale segmental lines. Fore wings: base dark grey shading to light grey towards ante-medial line which is outbent, white, outwardly edged with brown; space beyond dark grey tinged with purple, somewhat paler terminally; a subterminal dentate brownish shade, darker at apex; a faint dark point on discocellular; costa shaded with brown on outer half; very minute dark terminal spots; cilia brown faintly irrorated with whitish grey. Hind wings semihyaline, brownish white, the veins and termen darker.

Expanse 19 mm.

Hab. Juan Vinas.

Hyalospila celiella, sp. n.

♂. Palpi brown. Frons whitish, medially ochraceous. Vertex, collar, and thorax ochraceous. Abdomen grey-brown; a paler dorsal streak on first three segments, and subdorsal black points on basal segment; anal tufts orange. Fore wings brownish; the subcostal and median shaded with white, both edged below with dark brown; veins terminally dark brown irrorated with grey towards costa; an ochreous shade below cell and along inner margin; ante-medial and medial brown suffusions in cell and on submedian, those medially interrupting the white shade on median and on submedian preceded and followed by white streaks; short dark brown streaks on veins postmedially; two indistinct dark spots on discocellular; cilia brownish grey, with faint paler irrorations, and a light brown shade at base. Hind wings semihyaline, dirty white, shading to fuscous terminally; cilia whitish, crossed at base by a pale brown and fuscous line.

Expanse 19 mm.

Hab. Juan Vinas.

Ulophora subsutella, sp. n.

♂. Body light brown; anal hairs black. Fore wings light brown; medial line outcurved, fine, black, crossing a fuscous-grey shade in and just below cell; a clearer pale brown spot on discocellular, and shade beyond it; subterminal line fine, fuscous brown, vertical on costa, slightly inbent from vein 5 to inner margin, followed by a light brown line and a diffuse fuscous-brown shade; termen finely dark brown. Hind wings semihyaline, whitish, tinged with pale brown. Vein 2 fringed below with downturned ochreous-brown hairs.

Expanse 17 mm.

Hab. Juan Vinas.

Discopalpia semproniella, sp. n.

♂. Palpi, head, collar, and thorax olive-buff. Abdomen similar at base, shading to fuscous on terminal segments; a small black-and-white dorsal spot on second segment. Fore wings buff-brown; costal margin brownish white irrorated with reddish brown; cell antemedially brown irrorated with black and reddish scales; a pale line along median vein to end of cell; first line represented by small black spots on subcostal, median, and submedian, the last geminate; two black points on discocellular; veins terminally dark streaked; a diffuse subterminal dark brown shade with traces of a pale sinuous line; some terminal black scaling; cilia grey-brown. Hind wings semihyaline white, iridescent, tinged with brown; termen narrowly dark shaded.

Expanse 20 mm.

Hab. Juan Vinas.

Pectinigeria muscella, sp. n.

♂. Palpi, head, and thorax pale roseate brown. Abdomen olive-brown, shaded dorsally with greyish white. Fore wings: base of costa and cell dark grey; costa otherwise roseate white, shaded behind with olive-grey and then roseate brown, which fills the greater portion of wing; a faint roseate-white shade from middle of submedian to termen between veins 4 and 5, the inner margin and tornal space below it very pale roseate brown; a few black scales are scattered over the wing. Hind wings creamy white, somewhat iridescent.

Expanse 24 mm.

Hab. Banana River.

Zophodia dryopella, sp. n.

♂. Palpi brown above, whitish grey below. Head dark brownish grey. Collar brown irrorated with white. Thorax white irrorated with brown. Abdomen brownish grey. Fore wings white, the inner margin broadly brown; some dark irrorations at base; costa finely black at base; ante-medial broad, white, defined by two black lines wavyly outbent from costa, angled below cell, and slightly incurved to near inner margin; a short black streak below discocellular; subterminal defined inwardly by a fine black interrupted dentate line, outwardly by a black spot on costa, and brown spots, expanding and suffusing towards inner margin; terminal dark brown spots except at apex; cilia whitish grey. Hind wings semihyaline brownish white, the

veins darker. Fore wings below with a white costal spot before apex.

Expanse 23 mm.

Hab. Juan Vinas.

Eucampyla putidella, sp. n.

♀. Body and fore wings greyish brown thinly irrorated with darker scales. Fore wings: a faint dark basal line; a darker medial line, outcurved and inangled on submedian, a dark shade on discocellular; subterminal line defined by two dark lines, inangled at vein 6, outangled below it, and faintly incurved; a pale line at base of cilia. Hind wings semihyaline smoky white, darkest on termen; base of cilia pale, followed by a faint dark line.

Expanse 21 mm.

Hab. Poas.

AZÆRA, gen. nov.

Palpi obliquely ascending, reaching a little above head, third joint nearly as long as second. Antennæ annulate. Fore wings narrow; vein 2 from end of cell; 3, 4, 5 stalked; 6 from upper angle; 7 and 8 on very long stalk; 9 absent; 10 and 11 free. Hind wings: vein 2 from lower angle of cell; 3 absent; 4 and 5 stalked; 6 from upper angle; 7 and 8 coincident.

Type of genus, *Azæra mucicella*, Schs.

Azæra mucicella, sp. n.

♂. Palpi mottled brown and grey. Head and thorax dark grey. Abdomen fuscous with grey segmental lines. Fore wings grey; the base broadly brownish grey; a similar medial line slightly outbent from costa; two small fuscous spots on discocellular; an outer and subterminal brownish-grey shade parallel with termen; a terminal fuscous line; cilia dark grey crossed by a whitish line. Hind wings semihyaline, smoky grey, the veins and termen darker shaded.

Expanse 13 mm.

Hab. Juan Vinas.

Salebria polydectella, sp. n.

♀. Palpi and head buff-brown. Collar and thorax dull dark brownish. Abdomen fuscous brown. Fore wings mostly fuscous irrorated with dull grey; the termen and inner margin between lines shaded with dull grey; the inner

margin on basal half tinged with brown; lines fine, velvety black, the medial slightly sinuous, preceded by a narrow pale shade, the postmedial faintly indented from below vein 5 to inner margin, followed by a dark brown shade, outbent on costa to apex; a pale spot on discocellular; a terminal black line; cilia outwardly pale reddish brown. Hind wings thinly scaled, brownish grey, darkest along termen.

Expanse 20 mm.

Hab. Juan Vinas.

Ceracanthia tecmessella, sp. n.

♀. Palpi, head, and collar light reddish brown. Thorax grey shaded with brown. Fore wings: basal two-thirds whitish grey, irrorated with black and brown; an oblique fuscous-brown shade at base; an antemedial oblique brown shade on costa and cell, and a small fuscous shade on inner margin; two black spots at end of cell, placed obliquely; terminal third purplish brown, the veins partly streaked with black, interrupted by a fine whitish subterminal line; terminal black spots. Hind wings thinly scaled, grey-brown, the veins and termen darker.

Expanse 14 mm.

Hab. Avangarez.

Nephopteryx obstitella, sp. n.

♀. Palpi whitish grey irrorated with brown. Head, collar, and thorax grey mottled with dull brown. Abdomen dark grey-brown, with pale segmental lines; a blue-black shade dorsally on second segment. Fore wings white irrorated with dark greyish brown; antemedial line broad, clear white, slightly oblique, edged with fuscous, its outer edge incurved on inner margin and outbent; discocellular line brown irrorated with black; a postmedial fuscous-brown shade indented to below cell, outbent on inner margin; subterminal line white, slightly indented on costa, preceded by short black streaks and outwardly edged by a dentate black line, broadest on costa; terminal semilunar fuscous spots, cilia whitish grey. Hind wings semihyaline whitish; a narrow dark terminal shade.

Expanse 22 mm.

Hab. Poas.

Nephopteryx senesciella, sp. n.

♂. Palpi outwardly fuscous grey. Head, collar, and

thorax brownish grey. Abdomen brown; triangular pale dorsal shades on segments 2-4; anal hairs brownish buff. Fore wings: base pale brownish to antemedial line, which is very broad on costa, outcurved to below cell, then outbent, narrow, broadly edged outwardly with black on costa and cell, otherwise narrowly edged with black; a black shade at base of costa; space beyond whitish grey finely irrorated with black, more heavily on costa; a thick black streak on discocellular; an inbent postmedial dark brown shade, mottled with black on costa and inner margin; subterminal line sinuous, indicated by small fuscous spots inwardly and a dentate line outwardly; terminal fuscous spots, cilia greyish white. Hind wings semihyaline white tinged with brown; the interspaces near discocellular iridescent; a dark terminal shade.

Expanse 16 mm.

Hab. Juan Vinas.

Moodna formulella, sp. n.

♀. Palpi greyish brown. Head and collar medially light reddish brown; collar laterally and thorax fuscous grey. Abdomen brownish grey with fuscous dorsal shadings. Fore wings: basal half fuscous grey on costa, towards middle of inner margin, and median vein; a brown shade below cell and at base of inner margin; the cell greyish, the whole limited by a fine whitish curved line, thickest on inner margin, and a thick dark brown curved line; postmedial space light brown on costa, whitish below it, irrorated with reddish brown, and greyish on inner margin; the subterminal line inbent, straight, parallel with termen, buff-white defined by reddish-brown shading, somewhat diffuse on outer edge; some dark streaks on veins on either side of pale subterminal line; termen greyish, with reddish-brown spots on interspaces; cilia dark silky grey. Hind wings semihyaline brownish grey, the veins darker; the termen narrowly darker.

Expanse 28 mm.

Hab. Juan Vinas.

Subfam. *GALLERIANÆ*.

ATHALIPTIS, gen. nov.

Female.—Palpi long, slender, porrect, slightly downcurved. Antennæ simple. Legs smooth. Fore wings long, narrow; apex acute, outer margin oblique; vein 3 before lower angle;

4 and 5 from lower angle; 6 close to upper angle; 7-10 stalked from upper angle, 10 before 7; 11 free. Hind wings: discocellular inangled to near base; veins 3 and 5 stalked; 4 absent; 6 from upper angle; 7 and 8 stalked.

Near *Tirathaba*.

Type of genus, *Athaliptis cymonia*, Schs.

Athaliptis cymonia, sp. n.

♀. Palpi pale rust-brown. Head and collar white. Thorax, abdomen, and fore wings pale straw-colour. Fore wings irrorated with dull yellow; cell and just below it irrorated with pale rust-brown, extending to postmedial line, which is fine, outangled at vein 5; terminal dark spots on interspaces. Hind wings white. Wings below silky shaded with greyish brown, darker on fore wings, which have the costa shaded with roseate brown; terminal fuscous grey spots on both wings.

Expanse 22 mm.

Hab. Juan Vinas.

Subfam. *EPIPASCHINÆ*.

Pococera narthusa, sp. n.

♀. Palpi and frons fuscous grey. Vertex, collar, and thorax buff-brown. Abdomen fuscous grey with pale segmental lines. Fore wings above median and vein 4 grey, below it whitish irrorated with brown and grey; an antemedial fuscous point in cell, and one below cell, followed by a brownish line from costa slightly outbent; a fuscous point on discocellular; postmedial very faint, from costa, outcurved around cell, from vein 3 very distinct fuscous, incurved and outbent from submedian fold, followed throughout by a brownish shade to outer line, which is darker brown, slightly incurved from vein 5; subterminal brown spots on interspaces, followed by the darker terminal spots; cilia brownish. Hind wings brown; cilia with paler line at base and whitish tips. Wings below without lines.

Expanse 18 mm.

Hab. Tuis.

Subfam. *CHRYSAUGINÆ*.

Gephyra siderealis, sp. n.

♂. Palpi, head, and collar dark reddish brown, somewhat opalescent. Thorax fuscous brown, opalescent. Abdomen and

hind wings fuscous brown, the former with fine pale segmental lines. Fore wings deep purple, iridescent; an antemedial dark reddish-brown shade, widest on costa, not reaching inner margin; a yellow spot irrorated with red medially on costa, preceded by a broken white line, and followed by a thick white line; a yellow spot in cell below it, and a white spot in cell above median, the latter followed by a small yellow and red spot; postmedial line slightly curved, brownish, indistinct; a small white spot on costa beyond postmedial; a broad subterminal dark red shade, irrorated with yellow towards costa, interrupted at vein 3 and not reaching inner margin, followed partly by some dark brown shading; a slight yellow shade at apex; cilia yellow from apex to vein 4, then dark. Wings below fuscous, shaded with dark red especially at apices; fore wing with pale yellowish costal patch medially; hind wings with postmedial yellowish line.

Expanse, ♂ 19, ♀ 23 mm.

Hab. Juan Vinas, Sitio, Cachi.

Casuaria neglecta, sp. n.

♂. Palpi fuscous. Head, collar, and patagia olive-brown. Thorax and abdomen ochreous brown. Fore wings dark olive-brown; base of costa light brown; a small black spot at end of cell; a small white costal spot before apex; a fine pale and indistinct line from apex to inner margin before torus; some lilacine scales terminally. Hind wings bright yellow, the outer margin broadly black, its inner edge angled at vein 3; the costa narrowly black. Wings below bright yellow; the costal margins narrowly, the outer margins broadly black; base of costa on fore wing shaded with brown.

♀. Fore wings more distinctly olive; traces of a fine antemedial line; two small whitish spots medially below cell, shaded with a few brown scales, these spots superposed obliquely, the upper spot minute. Underneath the costa of fore wing broadly reddish brown to apex.

Expanse, ♂ 25, ♀ 26 mm.

Hab. Sixola.

Casuaria purpurea, sp. n.

♀. Palpi dark purplish red. Head, collar, and thorax lilacine brown. Abdomen dark olive-grey with faint paler segmental lines. Fore wings dark lilacine brown thinly irrorated with black, especially on medial space; lines fine, paler, the antemedial slightly outbent, the postmedial out-

curved below costa, then slightly inbent; a small white spot on costa beyond postmedial; some lilacine irrorations terminally towards apex. Hind wings brownish orange, darkest terminally, and more broadly at vein 3; cilia purplish. Wings below brownish orange, the apices broadly shaded with dark purple.

Expanse 19-24 mm.

Hab. Esperanza, Sixola.

Casuaria angulinea, sp. n.

♀. Palpi fuscous grey irrorated with whitish grey. Head dark olive-grey. Collar and thorax lilacine brown. Abdomen orange-brown. Fore wings greyish brown, shading to reddish brown terminally; antemedial line dark brown, slightly outcurved below cell; postmedial line fuscous brown, deeply outangled opposite cell, followed on costa by a pale olive-grey shade to apex; a few grey scales terminally; cilia dark grey-brown tipped with white. Hind wings orange-brown. Fore wings below lilacine brown, the darker lines visible on costa. Hind wings below paler; a postmedial fuscous shade most distinct and broader from costa to vein 4, outwardly edged with grey, interrupted below vein 4 and on inner margin.

Expanse 20 mm.

Hab. Tuis, Guapiles.

Xantippe caphysoides, sp. n.

♀. Head, thorax, and fore wings lilacine buff irrorated with red. Abdomen buff-brown shaded with fuscous. Fore wings: an antemedial and a postmedial fine yellow line, vertical and parallel; some black irrorations on costa on medial side of lines; cilia dark red at base, terminally yellowish white. Hind wings buff-yellow; the costa and termen irrorated with red, and a similar postmedial line not reaching inner margin; a terminal interrupted reddish-brown line. Fore wing below purplish red; a pale antemedial streak on costa; a pale postmedial line slightly outbent; terminal yellow points on veins; costa and apex irrorated with yellow. Hind wings below buff-yellow; costal margin to postmedial line broadly dark purple-red; outer margin irrorated with red; the postmedial lines better defined; the terminal line as above.

Expanse 25 mm.

Hab. Turrialba, 5800 feet.

Xantippe suavis, sp. n.

♂. Head, collar, thorax, and fore wings olive-buff. Abdomen slightly darker. Fore wings: two faintly paler lines; the medial line inbent, defined by darker scaling along its outer edge, the postmedial vertical, defined by darker scaling on either side. Hind wings fuscous grey.

Expanse 12 mm.

Hab. Juan Vinas.

SPEOSIA, gen. nov.

Male.—Palpi short, filiform, upturned not reaching vertex. Antennæ pubescent. Legs smooth. Fore wings: costa highly arched antemedially with cavity below; apex to vein 4 produced, incurved below vein 4; the termen between 4 and apex very slightly incurved; vein 2 from just beyond middle of cell; 3 before end of cell; 4 and 5 from lower angle; 6 from near upper angle; 7, 8, 9 on long stalk from upper angle; 10 free; 11 free, upcurved near cavity; costal margin with short fringe at base. Hind wings: cell long, terminally broad, the discocellular straight, vein 2 from lower angle; 3 above angle, 4 absent, 5 from middle of discocellular; 6 and 7 stalked to close to termen; the scales downturned from vein 8 to middle of cell, upturned from median; glandular patches beyond cell and also below vein 2.

Type of genus, *Speosia bullata*, Schs.

Speosia bullata, sp. n.

♂. Head greyish brown. Collar, thorax, and fore wings light brown. Abdomen and hind wings fuscous brown. Fore wings: costa near base highly arched with fovea below, the space thus formed shaded with fuscous; a small fuscous spot at end of cell; terminal space darker shaded. Wings below buff-brown; fore wings outwardly shaded with dark grey above vein 2; fovea fuscous. Hind wings shaded with dark grey at apex; a large patch of raised brown scales beyond and below cell.

Expanse 15 mm.

Hab. Juan Vinas.

Pelagis? socialis, sp. n.

♀. Palpi, head, collar, and patagia roseate brown; thorax and abdomen dark brown. Fore wings roseate brown; a

broad antemedial dark brown fascia, narrowest on inner margin, its inner edge slightly outbent, its outer edge limited by a pale line outwardly finely shaded with fuscous, somewhat inbent below cell; postmedial line slightly outcurved beyond cell, incurved from vein 4 to inner margin, pale-coloured, almost white on costa, defined by narrow fuscous shading, and punctiform on veins 2-4; a subterminal dark shade crossed by dark streaks on veins and suffusing with the darker terminal space. Hind wings dark greyish brown; a subterminal pale line on a darker shade below vein 2. Wings below reddish brown; an irregular postmedial whitish line partly edged with fuscous shadings.

Expanse 24 mm.

Hab. Tuis, Juan Vinas.

Lepidomys viridans, sp. n.

♀. Palpi olive-grey. Head and body pale yellowish green. Fore wings: base and termen pale yellowish green; intermediate space dark green, edged by white lines, the inner line medial on costa, inbent to inner margin towards base, outer line angled below costa near apex, inbent to middle of inner margin; apex dark yellow-green. Hind wings whitish grey, darker terminally. Wings below showing indistinctly the markings of upper side.

Expanse 20 mm.

Hab. Sixola.

Arta incurvalis, sp. n.

♀. Head, collar, and thorax pale greyish brown shaded with red. Abdomen greyish brown. Fore wings roseate brown irrorated with red; lines dull yellowish, the medial slightly incurved, the postmedial vertical; termen shaded with grey; a terminal interrupted fuscous line; cilia yellowish white. Hind wings greyish.

Expanse 21 mm.

Hab. Juan Vinas.

Sarcistis rufescens, sp. n.

♀. Palpi, head, collar, and thorax brownish grey. Abdomen thickly irrorated with dull dark brown; pale segmental lines. Fore wings brownish red, the termen greyish, irrorated with dark red; the two lines fine, dark red, almost vertical and parallel; the costa finely yellowish; cilia dark red at base, luteous terminally. Hind wings fuscous grey;

ilia luteous, crossed by a dark red line. Fore wings below red; costal margin irrorated with yellow; inner margin whitish; a fuscous-grey shade in and below cell. Hind wings below whitish, the costal margin and termen, broadly near apex, red, irrorated with yellow; a postmedial pale line on costal half.

Expanse 18 mm.

Hab. Juan Vinas.

Diloxis apicalis, sp. n.

♂. Palpi, head, and collar lilacine brown. Thorax purplish brown. Abdomen greyish brown. Fore wings lilacine brown; a large pale yellow costal spot from costal tuft not quite reaching termen; lines darker brown, the antemedial outbent to median at vein 2, then vertical to inner margin; the postmedial deeply outbent and outcurved from vein 5 to vein 2, then downbent; the termen dark shaded. Hind wings fuscous. Wings below fuscous grey; the apex of fore wing whitish yellow.

Expanse 23 mm.

Hab. La Florida.

Near *Diloxis ochriplaga*, Hmps.

Condylolomia obscura, sp. n.

♂. Body and wings dark brown, the latter silky; a postmedial fuscous line. Fore wings also with an antemedial fuscous line. Wings below somewhat paler brown without markings.

Expanse 17 mm.

Hab. Carillo.

NAVURA, gen. nov.

Male.—Palpi porrect, fringed above with a triangular tuft; antennæ simple. Fore wing: costal margin straight; outer margin obliquely rounded; inner margin lobed beyond base, the lobe fringed with spatulate scales; vein 2 from well before end of cell; 3 from lower angle; 4 and 5 on short stalk; 6 from upper angle; 7-10 stalked; 11 from cell. Hind wing: vein 2 from well before angle of cell; 3 from lower angle; 4 and 5 from a point; 6 from upper angle; 7 and 8 stalked.

Type of genus, *Navura lobata*, Schs.

Navura lobata, sp. n.

♂. Head, collar, and thorax ochreous buff. Abdomen greyish brown. Fore wings buff-brown, the costal margin ochreous buff; a wavy whitish medial line from cell, with a few black irrorations, extending on outer edge of lobe; a black point at end of cell; a subterminal line, whitish on costa and inner margin, otherwise fuscous: cilia tipped with dark grey. Hind wings dark grey. Fore wings below paler, the disc shaded with dark grey; a black discal point and subterminal line. Hind wings buff-white; a black discal point and postmedial fuscous line.

Expanse 13 mm.

Hab. Tuis.

ACALLIDIA, gen. nov.

Male.—Palpi obliquely upturned, roughly scaled, third joint half as long as second; frons smooth; antennæ annulate, finely ciliated; legs smoothly scaled; abdomen not extending beyond hind wings. Fore wing long and narrow; veins 3, 4, 5 stalked; 6 from upper angle; 7 absent; 8, 9, 10 stalked; 11 from cell. Hind wing: vein 2 from lower angle of cell; 3, 4, 5 stalked; 6 from upper angle; 8 and 9 on long stalk.

Type of genus, *Acallidia dentilinea*, Schs.

Acallidia dentilinea, sp. n.

♂. Palpi purplish red. Head, collar, and thorax light brown. Abdomen brownish buff. Fore wings purplish red, irrorated with black at base below subcostal, between the two lines, and on termen; a dentate whitish medial line; an outer whitish line, slightly sinuous and outangled on inner margin; a fuscous line on cilia. Hind wings whitish, faintly tinged with roseate on termen; cilia tipped with roseate.

Expanse 20 mm.

Hab. Poas.

Bonchis phyllis, sp. n.

♀. Palpi dark grey, shaded at base and above with brown-red. Head, collar, and thorax lilacine, the scales finely tipped with white. Abdomen above brownish grey, ventrally dark grey shaded with brown-red. Thorax below and legs brown-red, the mid and hind tibiae fringed with purple irrorated with white, the tarsi whitish. Fore wings: basal

half and termen lilacine, the intermediate space dark purple-brown; three fine antemedial purple lines; outer half of costa brown-red, finely edged in front with yellowish white and crossed by an outer white streak, faintly traceable as a paler line on dark space; terminal small purple spots. Hind wings white, the apex broadly, the termen narrowly fuscous; terminal small purplish spots. Fore wings below fuscous; costal margin purple, with postmedial and outer white lines; the apex broadly dark red. Hind wings below white; costal margin broadly lilacine, irrorated with purple extending to vein 4; the termen on apical half dark red.

Expanse 22 mm.

Hab. Juan Vinas.

Bonchis albilinea, sp. n.

♂. Palpi, head, collar, and thorax pale lilacine brown. Abdomen greyish brown, with darker transverse shades. Fore wings lilacine brown, palest at base, medially, and on termen; an antemedial straight white line, slightly outbent from costa; a black shade on discocellular; outer line thick on costa, white, faintly incurved, below costa, fine, whitish lilacine, slightly outcurved, preceded on costal margin by a reddish-brown shade; small terminal black-brown spots. Hind wings brownish grey. Wings below dull greyish, the apices reddish brown. Fore wings: traces of lines, the outer line well marked, white on costa. Hind wings: a dark discal point; a curved whitish postmedial line, inwardly dark shaded.

Expanse 20 mm.

Hab. Tuis.

Streptopalpia misella, sp. n.

♂. Head, collar, and thorax brown finely irrorated with white. Abdomen darker brown. Fore wings roseate brown, with scattered black irrorations and large terminal black spots; medial and postmedial lines whitish, faintly outcurved, parallel, curved and joined on cilia of inner margin; two small black spots at end of cell. Hind wings grey-brown. Fore wings below dark greyish, the costal margin brown; a whitish postmedial line. Hind wings below whitish, the costal margin broadly pale roseate irrorated with black; a dark discal spot and postmedial line.

Expanse 10 mm.

Hab. Banana River.

Murgisca costinotata, sp. n.

♀. Palpi dark purplish. Head and body dark brownish grey. Fore wings dark brown, shaded with purplish grey antemedially from below subcostal and on termen; an antemedial white streak above submedian; an inflexed medial fuscous shade, marked by an oblique white costal spot; a fuscous postmedial shade and minute white spots on costa; a narrow fuscous subterminal shade. Hind wings dark grey. Wings below dark greyish brown, the costal margins shaded with darker purple-brown. Fore wings: small medial and postmedial whitish spots on costa. Hind wings: an outer indistinct pale line, faintly darker edged, almost subterminal.

Expanse 24 mm.

Hab. Sixola.

Semnia elegans, sp. n.

♀. Palpi black. Head, collar, thorax, and fore wings deep purple-red. Abdomen black. Hind wings deep yellow; the termen broadly fuscous brown from costa to vein 5, below it tinged with purple-red, and terminating at vein 2; veins 2 and 3 shaded with orange-red before terminal space. Fore wings below fuscous brown; the inner margin white on basal half; a large golden-yellow shade postmedially from inner margin to vein 5. Hind wings below golden yellow; a fine black edge to costa at base, expanding at apex, then narrowing to a point at vein 2.

Expanse 30 mm.

Hab. Tuis.

Subfam. *PYRAUSTINÆ*.*Neurophyseta cyclicalis*, sp. n.

♀. Body white; brown segmental lines on abdomen. Wings white, markings fuscous brown. Fore wings: a sub-basal line marked by a black point on submedian; a curved antemedial line; an oblique medial line on costa shaded with yellow-buff; discocellular edged with black, crescent-shaped, followed by yellow lines on veins 6 and 7, edged with dark brown irrorations; a yellowish shade on costa above discocellular; postmedial geminate, preceded and followed by dark shades between veins 3 and 5; a subterminal line and finer terminal line, the margin brownish between them. Hind

wings: an antemedial and a geminate postmedial line; no terminal line.

Expanse 12 mm.

Hab. Juan Vinas.

Near *N. camptogrammalis*, Hmps.

Nacoleia angulinea, sp. n.

♀. Body and wings white, markings dull greyish brown. Fore wings: a subcostal streak to middle of wing; an antemedial streak, slightly outbent, from median to inner margin; a small point in cell, somewhat nearer base; a streak on discocellular; a postmedial line outwardly oblique from costa to just below vein 3, angled, finer, and inbent along interspace, then downbent, broader to inner margin, somewhat obliquely; a terminal shade from vein 4 to apex. Hind wings: a spot on discocellular; an outer line nearly vertical to below vein 3, angled and upbent, and again bent medially to middle of inner margin; a faint shade at apex.

Expanse 23 mm.

Hab. Carillo.

Pionea lagunalis, sp. n.

♂. Palpi, head, and thorax dark brownish grey. Abdomen light brown, thickly irrorated with black; segmental white lines. Fore wings bone-white, thickly irrorated with fuscous brown, the outer margin considerably darker, the postmedial space palest and crossed by a fine dark line starting from a black spot on costa; three black points beyond it on costa; terminal black points; cilia divided by a fuscous line. Hind wings whitish irrorated with grey-brown; a fuscous point on discocellular; terminal black points from vein 2 to apex; veins dark tinged. Hind wings below: black points on discocellular at each end; an interrupted dark postmedial line; veins bone-white; terminal black points as above.

Expanse 15 mm.

Hab. Laguna, Cartago.